

plant, this country pos- grow and conceal the trash pile. sesses one of the hardlest

the slow development of agriculture through the fence to get it. has been due in large measure to the lack of good nutritious pastures and might be poisonous, the owner of the bedding, in preference to the best hay of roughage that lasts throughout the horse sent some of it to the depart- that could be bought. The vines do entire year.

While kudzu is by no means a new

Builds Up Poor Land.

It was not only as a feed for his farm animals that he discovered virtue in the plant, however. He found that, by reason of its power of extracting nitrogen from the air through and adding this essential element to the soil, it quickly built up poor and worn-out land, making it fertile and productive. In this respect he be-Heves it even superior to clover, alfulfa and other leguminous plants, Last season he made the best corn ever grown in Florida, averaging 50 bushels to the acre, on land that the season before had been planted to kudzu, interesting was the fact that this land cally worthless.

All this came about as the result of a few vines which had been planted until November. The cowpea, soy on the lawn of his home for ornamental purposes. Kudzu makes a millets are good forage crops, but all crop of corn may be grown on the beautiful growth, the leaves being of must be planted in succession and cul- same land during the first year by a dark green, and is one of the fastest tivated for best results. Furthermore, simply dropping the grains between growers known, producing a dense in the case of crops that must be harshade in a very short time. On the vested before feeding, the farmer has fere with the other and both need lawn of this Florida man it was grown only a few days in which to get it about the same attention. The ground, to cover a summer house.

after the second year he grubbed it growth confined to the summer house. Ing. And a heavy rain on them, or root at the tolats.

by the war is the fact that yard, with the idea that, since it ous injury if not complete ruin. in kudzu, a leguminous wanted to run on the ground, it would

and most valuable forage but continued to reach out until it cov- lasts for many years and it may be plants known. Indeed, this ered all the adjoining fences, finally cut or pastured at any time during the remarkable vine seems des- reaching the barn lot, where the fam- season, in north Florida, from about tined to become one of ily borse was kept. According to its the middle of April until frost comes. the leading sources of owner, the horse literally wore his And where there is a growth left in wealth in certain sections mane off reaching under the bars of the ground, stock will feed on it all of the United States. Especially is the fence for the vine, while the neigh- winter. Stock, in fact, have been this true of the southern states, where bors' cattle and hogs continually broke known to eat the dead leaves and vines

ment of agriculture for an opinion. On learning from this source that kudzu penetrate the soil deeply, for which plant, it was only a year ago that any had no poisonous properties that were reason they remain green and full extensive experiments were made with known of, he began investigating and of life during the entire growing sea-It: the number of farms on which it experimenting, with the result that it was grown was insignificant. In fact, was found by repeated analyses to con- any time when weather conditions are it appears not to have been studiously tain an average of 17 per cent of pro- suitable for curing hay, as kudzu is cultivated anywhere until a Florida tein, in one instance the percentage man made the accidental discovery being 19.82. The average percentage that his live stock seemed to prefer it of protein in alfalfa is 14.3 per cent. even if kudzu is thoroughly soaked to any other kind of forage plant and On a measured space 30 feet square during the curing period, it will afterthat they waxed fat upon it. As this he cut during one season at the rate was at a time when the high cost of of 11 tons cured hay at four cuttings. feed forced many farmers to reduce This, however, was an exceptionally fathe daily allowance of their animals, vorable season, there being no lifficult to cut and handle it as a hay he hastened to plant a number of acres frosts, and the first cutting was trady crop. On the contrary, experience has to kudzu, with the most satisfactory re- May 1. The second cutting was made June 11, the third the last of July, and the fourth early in September.

While it is not claimed that kudzu will make four cuttings every season. nor yield 11-tons per acre at a cutting dle than either cowpea or velvet bean it is believed that a safe estimate is from two to three cuttings, with a the medium of the bacteria on its roots yield of from four to six tons per acre, anywhere that the plant may not drag ahead of the mower blade, as be grown under favorable circumstances, and experiments have proved that it is perfectly hardy all over the United States, enduring the winters as far north as Nova Scotia.

Needed in the South.

What is needed in the South especially, is a forage that stock can live order to secure the best results. When and keep fat on the year around. There the plant becomes well established it and this without any fertilizer what- are many valuable cultivated crops ever. What made the experiment more that make immense yields, but their period of mature life is short, making grasses without assistance. The roots previously never produced a good crop frequent plantings necessary in order live for many years and do not require of any sort, being considered practi- to have a complete succession. The velvet bean, for instance, is an all-season crop, but it is not ready to feed bean, and the various sorghums and in its prime condition, something that however, should be left smooth and

our as something of a nulsance, be- ception of kudzu, are open to objec- and subsequent mowing for hay. After cause the vines trailed all over the tion through dropping their leaves and the first year the kudzu will not need lawn, making it impossible to keep the shuttering while curing and harvest- any cultivation at all, as the vines will

discoveries brought about on a trash pile in one corner of the ing the period of curing means seri-Kudzu's Hardy Qualities.

Kudzu, however, possesses none of It not only did this the first season, these disadvantages. One planting which have lain out and weathered Becoming alarmed, lest the plant until March, when it was hauled in for not bloom or bear seed, and its roots son. Accordingly, the hay can be cut not injured by waiting for good weather as other hay crops are. In fact, wards show little effect of wetting.

Most people might think that, because kudzu is a vine, it must be very shown that it is no more trouble to cut or handle than a heavy crop of red clover, Mexican clover, crabgrass, or any other hay that makes a matted growth, while it is much easier to hanhay. Unlike the cowpea and velvet bean, kudzu is anchored to the ground every few inches, and so the vines canin the case of pens and beans.

Kudzu should be propagated by means of the rooted plants, for when these plants are removed to new fields they carry with them the bacteria, on the tubercles of their roots, which are necessary to inoculate the new soil in needs no further cultivation, being able to control native weeds and replanting after the first season.

The proper time for planting kudzu is two or three weeks in advance of corn planting, or a little earlier if one can get the ground ready. A full the plants. Neither crop will inter-So rapid was its growth, in fact, that is impossible if rains are frequent. level at the last cultivation to permit Again, all the legumes, with the ex- easy rooting of the vines or runners

IN THE REALM OF DISCOVERY

Many Things to Which the Genius of Man Has Not Yet Remotely Penetrated.

By far the greatest boon to mankind would be some device by which a man could be made to see without eyes. When we think of the wonders of the microscope, the telescope and the spectroscope, it does not seem quite hopeless that a method will some day be discovered of conveying vision to the brain without the aid of the natural eye, but as yet this great human benefactor has not come forward.

Of course, there is still unsolved the old riddle of perpetual motion, which thousands of cranks have spent their lives upon in the past. Scientists tell us that there is not perpetual motion known even to astronomy, so that it is unlikely that it will ever be discovered on earth. The world, they say, is slowly checking its speed round the sun, and its diurnal revolution, but so slowly as to be imperceptible within historic times, and the sun they say is a dying fire which will be extinct in a few hundred billion years. Yet the discovery of radium, with its apparently inexhaustible energy, rather shook the scorn with which the ideal of perpetual motion used to be regarded, and if a machine could be constructed to go for twenty years, on its own as it were, it would be "perpetual" enough for all ordinary purposes!

Sumac and Shoes.

Searcity of tanning material contributes to the high cost of shoes. Since the supply of oak and hemlock bark is no longer sufficient we must annually send \$30,000,000 to foreign countries for tanning material. One material is Sicilian sumac, worth from \$2.50 to \$4 a pound. Tons of it go to waste here. After a frost city people admire it because of its flame-colored leaves. Little boys love it because its hollow branches make fine pop and squirt guns. But the farmer hates it because it grows everywhere. He is forever cutting it down. Yet this "nulsance" contains 30 per cent tannin. It might be a good move to teach the farmers to turn this bane into a blessing. Then we would save part of that \$30,000,000 tanning bill.-Wall Street Journal.

Unbelievable Red Tape.

A British officer in charge of an exposed and important position ran short of ammunition during an unexpected and hotly pressed attack.

Tearing a leaf from his pocketbook he hastily wrote on it the following message: "In great danger. For heaven's sake send us some ammunition," and dispatched it by an orderly at full

After considerable delay the messenger returned and handed him an official document. On opening it he read the following extraordinary effusion: "All communications to this department must be written on foolscap paper with a two-inch margin."

Results Are God's.

If it were best for us to know how things were to turn out, God would have added foreknowledge to our endowments. But instead, he leaves us to go bravely on, making the most of the present moment, living up to the light we have, using our best judgment and putting forth our most earnest effort. And by keeping the outcome to himself, he shows us that our only course is to do our best. The results are his .- Girl's Companion.

CINCINNATI MARKETS

Hay and Grain.

Corn-No. 2 white \$1.85@1.87, No. 3 white \$1.83@1.85, No. 2 yellow \$1.85@ 1.87, No. 3 yellow \$1.83@1.85, No. 2 mixed \$1.84@1.86, No. 3 mixed \$1.82@ 1.84,, white ear \$1.80@1.87, yellow ear \$1.80@1.87, mixed ear \$1.80@1.87.

Sound Hay-Timothy per ton \$36@ 41.75, and clover mixed 35@40.50, clo-

ver \$23@32. Oats-No. 2 white 721/c, standard 72c, No. 3 white 711/2c, No. 2 mixed 70%@71%c, No. 3 mixed 69@70c.

Butter, Eggs and Poultry.

Butter-Whole milk creamery extras 55c, centralized creamery extras 53 1/4c, first 50c.

Eggs-Prime firsts 39c, firsts 38c, ordinary firsts 36c.

Live Poultry -Broilers, under 2 lbs, 50c; fowls, 5 lbs and over, 28c; do, under 5 lbs, 28c; do roosters, 15c.

Live Stock.

Cattle-Shippers \$12@14, butcher steers, extra \$11.50@12.50, heifers, extra \$13@13.50, good to choice \$11@ 12.50, common to fair \$7@10.50; cows, extra \$10@11, good to choice \$7.50@ 10, common to fair \$5,50@7.50; can-87@11.50.

Calves-Extra \$17@17.50, fair to good \$15@17, common and large \$7 @14.

Hogs - Selected heavy shippers \$20.75, good to choice packers and butchers \$20.75, medium \$20@20.75, stags \$10@13.75, common to choice heavy fat sows \$10@13.75, light shippers \$19@19.75, pigs (110 lbs and less) 114 @ 18.25.

COULDN'T SLEEP

Was Miserable and Loosing Weight Suffering From Kidney Complaint. Doan's Removed the Trouble.

"T was about down and out from kidney trouble," says Harry Griffith, of 228 N. Darlington St., Westchester, Pa. "The kidney secretions burned like scalding water. Sometimes there would be a complete stoppage and, oh! what pain I suffered! My feet became swellen and I

became swollen and I had a time of it getting

on my shoes.

"My back hurt right over my kidneys. Nights I did nothing but toss about. It was just as though a knife were though a knife were thrust into my back. I couldn't bend over without terrible pain and I would fall to my knees and crawl along to get hold of something to help myself up. Blinding dizzy spells came on and terrible headaches added to my misery.

terrible headaches added to my misery.

"I was rapidly losing weight and knew something would have to be done. I began taking Doan's Kidney Pills and was more than surprised. The troubles were soon leaving me and six boxes of Doan's Kidney Pills cured me entirely. To this day I have been free from kidney complaint."

Sworn to before me.

A. J. TOWNSEND.

Notary Public.

Get Doan's at Any Store, 60c a Box FOSTER-MILBURN CO., BUFFALO. N.

BELCHING Caused by cid-Stomach

Let EATONIC, the wonderful modern stomach remedy, give you quick relief from disgusting belching, food-repeating, indigestion, bloated, gassy stomach, dyspepsia, heartburn and other stomach miseries. They are all caused by Acid-Stemach from which about nine people out of ten suffer in one way or another. One writes as follows: "Before I used EATONIC, I could not eat a bite without belching it right up, sour and bitter. I have not had a bit of trouble since the first tablet."

Millions are victims of Acid-Stomach without knowing it. They are weak and alling, have poor digestion, bodies improperly nourished although they may eat heartily. Grave disorders are likely to follow if an acid-stomach is neglected. Cirrhosis of the liver, intestinal congestion, gastritis, catarrh of the stomach—these are only a few of the many allments often caused by Acid-Stomach.

A sufferer from Catarrh of the Stomach of the verse" standing writes: "I had catarrh

Acid-Stomach.

A sufferer from Catarrh of the Stomach of 11 years' standing writes: "I had catarrh of the stomach for 11 long years and I never found anything to do me any good—just temporary relief—until I used EATONIC. It is a wonderful remedy and I do not want to be without it."

If you are not feeling quite right—lack energy and enthusiasm and don't know just where to locate the trouble—try EATONIC and see how much better you will feel in every way.

FOR YOUR ACID-STOMACE

A very popular couple-two dollars.

Buy a Farm Now.

Buy a Farm Now.

Because land is cheaper than it will ever be again. The U. S. Raliroad Administration is prepared to furnish free information to homeseekers regarding farming opportunities. We have nothing to sell; no money to lend; only information to give. Write me fully with reference to your needs. Name the state you want to learn about. J. L. Edwards, Kinager, Agricultural Section, U. S. Raliroad Administration, Room 79, Washington, D. C.—adv.

Compliments cost nothing, yet many pay dear for them .- German proverb.

"FAKE" ASPIRIN WAS TALCUM

Always Ask for Genuine "Bayer Tablets of Aspirin"



If you see the "Bayer Cross" on the package you are sure you are not getting talcum powder. Millions of fraudulent Aspirin Tablets were recently sold throughout the country. Aspirin is the trade mark of Bayer Manufacture of Monoaceticacidester of Salicylicacid.

Don't get too swift; you can walk farther in a day than you can run.

The Cuticura Tollet Trio Having cleared your skin keep it clear by making Cuticura your every-day tollet preparations. The soap to cleanse and purify, the Ointment to soothe and heal, the Talcum to powder and perfume. No tollet table is complete without them. 25c everywhere,-Adv.

His Experience.

"A cart horse experiences the vicis situdes of life, doesn't he?"

"Sure; his life is just a succession of wheel and whon."

When Your Eyes Need Care Try Murine Eye Remedy